

Work Order ID 129719

February-23-15 10:17:54 AM

129719

Page 1

Item ID: D2372-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Cam Lever
 Start Date: 2/23/15 Start Qty: 6.00 ***6*** Cust Item ID:
 Required Date: 2/23/15 Req'd Qty: 6.00 ***6*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 15-02-24 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D2372	B

100 PURCHASING 0.00

100

Purchasing

Purchasing

Memo

Issue P/O: 27599
 Possible Supplier: Essentra
 Supplier part#: KCL-208
 C OF C is required

0.00

MLJ 15-02-27 6

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

6 MAR 02 2015 DAS

120

QC6- Inspect dimensions to drawing

0.00

120

.QC

Quality Control

Memo

0.00

6 MAR 03 2015 DAS
38
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 2

February-23-15 10:17:54 AM

Item ID: D2372-1 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Cam Lever
 Start Date: 2/23/15 Start Qty: 6.00 *6* Cust Item ID:
 Required Date: 2/23/15 Req'd Qty: 6.00 *6* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>st GA</u>	0.00				6			
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

DAG
27
MAR 05 2015

ML5 15-03-06

15-3-6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

February-23-15 10:17:53 AM

Page 1

Work Order ID: 129719

129719

Parent Item: D2372-1

D2372-1

Parent Item Name: Cam Lever

Start Date: 2/23/15

Required Date: 2/23/15

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A 12.02.07 new issue DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

KCL-208

Purchased

No

110

Each

0.0000

1

6

KCL-208

**

Cam Lever

MAR 02 2015

DAS
05
9-08

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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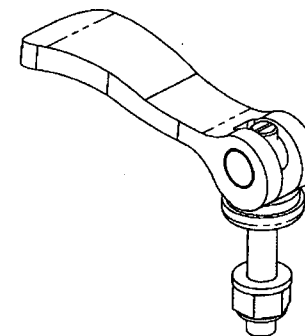
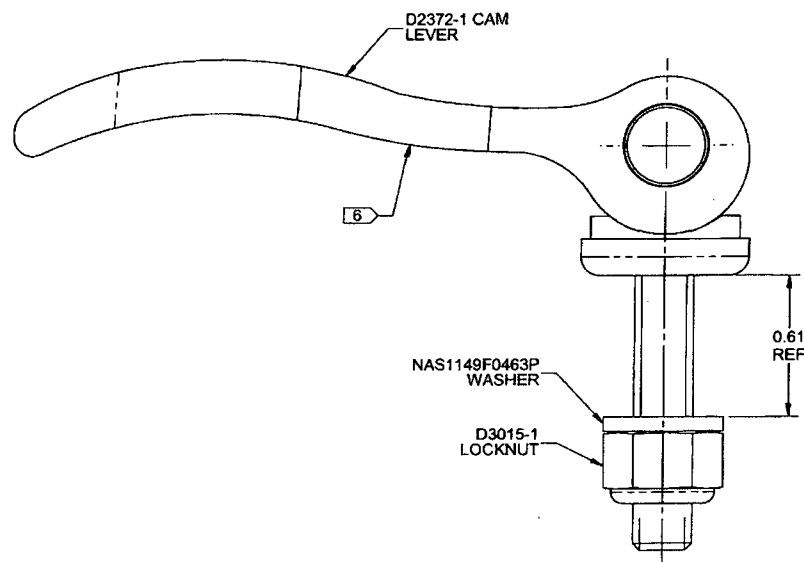
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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ITEM	QTY	PART NUMBER	DESCRIPTION
	X	D2372	QUICK RELEASE
1	1	D2372-1	CAM LEVER
2	1	D3015-1	LOCKNUT
3	1	NAS1149F0463P	WASHER

SPECIFICATION CONTROL DRAWING



NO 129719 MJS
15-02-24

D2372 QUICK RELEASE

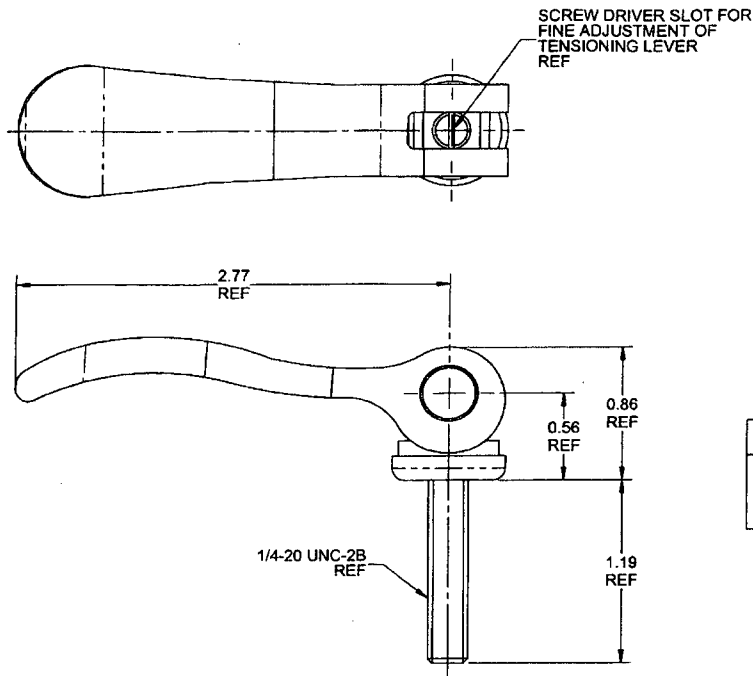
NOTES:

- 1) MATERIAL: SEE SHEET 2
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D2372" AND B/N "BXXXXX" PER DART QSI 044 6.5 (LABEL)
- 7) WEIGHT: 0.11 lbs

RELEASED
2012-02-06
JW

B	RE-DRAWN IAW QSI 043/044; SUPPLIER AND SUPPLIER P/N WERE "NORCO" AND "25-5129-01". REF: PAR12-159.	MB	12.01.31
A	NEW ISSUE	BW	95.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	UP		
CHECKED	UP	DRAWING NO.	REV. B
MFG. APPR.	UP	D2372	SHEET 1 OF 2
APPROVED	UP	TITLE	SCALE
DE APPR.	UP	QUICK RELEASE	NTS
DATE	12.01.31	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

SPECIFICATION CONTROL DRAWING



D2372-1 CAM LEVER

DART PART NUMBER	DESCRIPTION	SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	WEIGHT
D2372-1	CAM LEVER	REID TOOLS (PREFERRED)	KCL-208	HANDLE: ALUMINUM CAM WASHER: NYLON	0.10 lbs
		McMASTER-CARR (ALTERNATE)	5720K52	THREADED STUD, PIN, CAP WASHER: STAINLESS STEEL	

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: SEE TABLE

RELEASED
2012-02-06

DESIGN	BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	BY		
CHECKED	BY	DRAWING NO.	REV. B
MFG. APPR.	BY	D2372	SHEET 2 OF 2
APPROVED	BY	TITLE	SCALE
DE APPR.	BY	QUICK RELEASE	NTS
DATE	12.01.31	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27599**

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 1 of 2

Order From :

ESSENTRA COMPONENTS
62919 COLLECTION CENTRE DRIVE
CHICAGO, IL 60693-0629
US

VU-REI001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 253 0421

Buyer

Chantal Lavoie

Customer POID

Customer Tax

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

FedEx Overnight collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	KCL-208 ✓ AS PER DWG.D2372 REV.B B129719	Cam Lever	3/5/2015 Yes 3/5/2015		6.00 Each	\$22.67	\$136.02

Line Total:

\$136.02

71401-45

PROCUREMENT
QUALITY CLAUSES

3/5/2015

1.00

\$0.00

\$0.00

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A026 certification of material conformance

A040 notification of quality escape

A041 quality management system

A042 dart notification be sypplier

A043 retention of quality documents

No
3/5/2015

15/03/30

Note:

2/27/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27599

Purchase Order Date 2/27/2015

PO Print Date 2/27/2015

Page Number 2 of 2

Order From :

VU-REI001

ESSENTRA COMPONENTS
62919 COLLECTION CENTRE DRIVE
CHICAGO, IL 60693-0629
US

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

800 253 0421

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Total:

\$0.00

PO Total:

\$136.02

N *ML5 C2*
Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 2/27/2015

**ESSENTRA**

COMPONENTS

7240 Global Drive
Louisville, KY 40258
Phone: 800-847-0486
Fax: 814-898-1638
www.essentracomponents.com

DELIVERY NOTE#:

**P81824701690220**

CUSTOMER PO#

**PO27599**

Bill To: DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
CANADA

Ship To: DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
CANADA

**APPROVED**

CUSTOMER NO		ORDER #	SHIPPED VIA		SHIP DATE	
45215650		1690220	FXIE FedEx Int'l Economy		02/27/15	
ORD LN	Item Description	Original Quantity	Quantity Shipped	Backorder Quantity	UM	
1	KCL-208 2.77 SS ADJ CAM LEVER 1/4-20 X Country Of Origin: DE	6.000	6.000		EA	

This is to certify that the above material shipped against your purchase order is in conformance with all known requirements, specifications and drawings in effect at the time of manufacture. All applicable physical, functional, dimensional and material test reports are on file at our facility, and may be inspected by your representative upon request.

Tracy D. Sandell
Quality Manager

**ESSENTRA**

COMPONENTS

Essentra Components
2538 Speers Road, Unit 7
Oakville, ON L6L 5K9
Phone: 905-825-0134
Fax: 905-825-2919
www.essentracomponents.com

Order Acknowledgement

ORDER NUMBER	1690220
CUSTOMER PO	PO27599
CARRIER	FedEx Int'l Economy
CURRENCY	USD
ORDER DATE	02/27/15
FREIGHT TERMS	COL

SOLD TO 45215650

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
CANADA

DELIVERY TO 45215650 1

DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
CANADA

LINE NO	PART#/CUSTOMER PART DESCRIPTION	QUANTITY ORDERED	UNIT PRICE (USD)	UOM	EXT. PRICE (USD)	CUSTOMER REQUEST DATE	ESTIMATED SHIP DATE
1	KCL-208 2.77 SS ADJ CAM LEVER 1/4-20 X 1.18 STUD SHIP FROM: LOUISVILLE, KY	6.000	22.6700	EA	136.02	02/27/15	02/27/15
2	Handling				4.50		

SUBTOTAL:	140.52
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TOTAL:	140.52
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1. Vendor(Name and Address)

7240 Global Drive
Louisville, KY 40258

Commercial Invoice

2. Date of direct shipment to Canada

February 27, 2015

3. Consignee (Name and address) DART AEROSPACE 1270 ABERDEEN ST HAWKESBURY, ON K6A 1K7 CANADA		4. Purchasers name and address (If other than consignee) DART AEROSPACE 1270 ABERDEEN ST HAWKESBURY, ON K6A 1K7 CA		
5. Other references (Include Purchase order's number) LOAD: 852286		6. Country of origin GERMANY		
7. County of transhipment CANADA		8. Transportation: Give Mode and Place of Direct Shipment to Canada FXIE		
9. Currency of Settlement US Dollars		10. Item Description PLASTIC PROTECTIVE CAPS & PLUGS TARIFF ITEM# 3923.50.0000-7		
Pkgs.	Item Description	Quantity Shipped	Unit Price	Total
6 CTNS	KCL-208	6.000PCS	22.67	136.02
Shipping Clerk: Michael Kovach		Part Weight .96	Tare Weight .96	Invoice Total 136.02